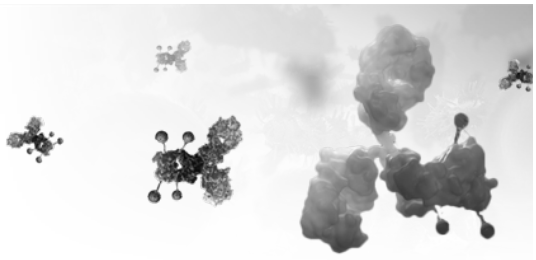

Anti-TMPRSS9 (N-terminal) polyclonal antibody (CABT-BL3634)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	Synthetic peptide based on the aminoterminal end of Human Polyserase1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Cellular Localization	Cell Membrane; single pass type II membrane protein
Format	Liquid
Buffer	50% Glycerol, PBS, 500mM Sodium chloride, pH 7.4
Preservative	0.05% Sodium Azide
Storage	Store at -20°C. Stable for 12 months at -20°C

BACKGROUND

Introduction	Polyserase-1 is also known as TMPRSS9 (transmembrane serine proteinase-9), and polyserase protease 1. Polyserase1 was originally discovered in human liver as a mosaic serine proteinase with a type II transmembrane domain and three tandem repeats of serine proteinase domains. The domain structure of polyserase1 consists of a cytoplasmic domain,

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followed by a transmembrane domain, a "stem" region, an LDL receptor-like domain, and three serine proteinase domains. The third serine proteinase domain does not contain the canonical Gly-Asp-Ser-Gly-Gly residues found in the first two serase domains, and is not thought to be proteolytically active. Polyserase1 is found in greatest abundance in human liver, muscle, heart, placenta, and in fetal kidney and liver. Several human tumor cell lines also express significant amounts of polyserase1. Polyserase1 is a membrane associated protein, and the cleaved serase domains are thought to be retained on the cell surface by association with the propeptide domain, although the protein may also be found shed into conditioned culture media.

GENE INFORMATION

Entrez Gene ID	360200
Protein Refseq	NP_892018
UniProt ID	Q7Z410

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